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PORSF 11.3.2581 V3 4/9/99

April 9, 1999

Mr. Steve Fortuna
Site Assessment Program
Oregon Department of Environmental Quality
2020 S.W. Fourth Avenue, Suite 400
Portland, OR 97201-4987

RE: Response to Information Request
Crawford Street Corporation/Columbia Forge & Machine Works, Inc.
8424 N. Crawford Street
Portland, OR 97203
Multnomah County

Dear Mr. Fortuna:

Columbia Forge and Machine Works (CFMW) received your letter dated March 3, 1999 requesting information regarding our site at the referenced address. We have reviewed our files and have assembled the following information in response to your request. We have presented the data in the same format as the *Site Assessment Information Request* outline you provided with your letter so facilitate your review of the provided information.

Background Information

Facility Name and Address

The site is most commonly referred to as:

Columbia Forge & Machine Works, Inc.
8424 N. Crawford Street
Portland, Oregon 97203

Facility Owners and Operators Names, Titles, Addresses, and Phone Numbers

The site is currently owned by Crawford Street Corporation. The site is operated by Columbia Forge & Machine Works, Inc. The site contact is:

Doug McMullin, M.E.
8424 N. Crawford Street
Portland, Oregon 97203
Phone (503) 286-3621

Current Use of Site and Year Operations Began

The site is used to produce metal forgings and stampings and began operation in approximately 1971.

Past Use of Site

The site was acquired from the Skookum Company in 1971. Uses of the site prior to 1971 are unknown.

Size of Site and Tax Lot Numbers

The site encompasses approximately 57,000 square feet (see Attachment 1). The tax lot number is TL3, Lots 1-8, Block 6. The site consists of three buildings (approximately 27,000 square feet) and two yards (approximately 30,000 square feet).

Site Security

The site is entirely fenced except for the building footprints.

Surrounding Land Use

The site is located in an industrialized area. Surrounding facilities include Lampros Steel, Inc. to the east and west. A railroad right-of-way is the southern boundary and Crawford Street is the northern boundary. Across Crawford Street and north of the site is a heavy equipment/truck repair company.

Site Map

A site map is attached (Attachment 1) showing the requested items and features.

Building Names and Functions

The primary buildings and the primary use on the site are:

- Building # 1- Manufacturing
- Building # 2 - Manufacturing and storage of tools
- Building # 3 – Shipping, manufacturing and warehousing
- Oil Storage Hut – Drum storage

Most of the site consists of buildings. Open yards are generally paved and/or have roofs.

Outdoor Process Areas

The primary outdoor process areas on the site consist of:

- The Central Yard is where steel pieces are manufactured.
- The Western Yard is where raw steel is stored.

These areas are shown on Attachment 1.

Above Ground Storage Tanks

No above ground storage tanks containing liquids are located on the site.

One stationary propane tank is located in the Central Yard along the eastern property boundary. Three stationary ambient oxygen tanks are located in the Central Yard. A limited number of oxygen, acetylene and propane tanks are present in the Weld Shop area. CFMW forklifts also have small propane attached tanks.

Underground Storage Tanks

All known underground storage tanks (USTs) were removed from the site in the late 1980s as part of an overall UST removal program. The tanks were removed by a licensed contractor using the standard of practice at that time and in accordance with applicable regulations.

Two underground storage tanks are believed to have been located in the Central Yard portion and the Weld Shop of the site. One tank was a 1,000-gallon gasoline tank (Weld Shop) and one was a 1,000-gallon bunker oil tank (Central Yard). The DEQ Notification Form is included in Attachment 2.

No evidence of contamination was reported during the removal of these tanks.

Waste Treatment Systems

No waste treatment systems are located on site. All liquids are recycled when spent. All solids are disposed as solid waste with the regional waste disposal contractor.

On-site Wells

No wells exist on site.

Chemical/Waste Handling Information

Chemical Products Used or Stored

A copy of the most recent Oregon State Fire Marshall Hazardous Substance Information Survey is included as Attachment 3. The survey presents a complete list of the existing reportable quantities of hazardous substances used on the site.

Lists of chemicals used historically at the site are also provided in Attachment 3. A review of the available records indicates the facility has been very successful over the years in reducing their use of hazardous chemicals/materials.

All Waste Products Generated or Stored

The primary wastes generated on the site consist of:

- Used oil
- Used lubricant
- Used petroleum naphtha solvent (non-halogenated) in parts washers
- Used degreaser
- Other solid waste (lunch room, office and debris, etc.)

All discarded metal generated during manufacturing is stored on-site in bins and shipped off-site for recycling. The metal is not considered a waste product.

Approximate Volumes of Chemical Used and Wastes Generated

The volume of wastes generated each year is, approximately:

- 400 to 998 gallons of used oil (motor and hydraulic) are generated and stored at the site annually. All used oil is recycled by Spencer Environmental.
- 0 to 4 gallons of used lubricant are generated at the site annually and recycled. A maximum of 20 to 49 gallons was stored on-site 1998.
- 0 to 4 gallons of degreaser material is generated at the site annually and recycled. A maximum of 10 to 19 gallons of the material was stored on-site in 1998.
- Up to 72 cubic yards of solid waste material is generated and hauled off-site to a permitted landfill each year.
- Used solvent (53 gallons in 1998) was recycled from the parts cleaners. Approximately 55 gallons of petroleum naphtha solvent is typically stored on site.

Any On-site Chemical or Waste Treatment Systems

There are no chemical or waste treatment systems on site.

Past and Present Chemical and Waste Storage and Disposal Areas

The following areas are used to store waste materials on the site.

- Used oil, lubricants and degreaser materials are stored within a cover containment area referred to as the Oil Storage Hut (Attachment 1).

- Used petroleum distillate solvent is contained in 2 parts washers, both located in Building 3. Safety-Kleen, routinely services the units and transports the distillate to their facility in Clackamas, Oregon for eventual recycling.

Other solid waste is contained in wastebaskets and garbage cans at various locations around the facility. This material is either segregated for recycling or placed in a six cubic yard dumpster at the east end of the Oil Storage Hut. Paper and wood debris (solid waste) is typically hauled off site by an independent recycler or self hauled to a recycling facility.

Type, Quantity, and Destination of Wastes Removed from the Site

Approximately 72 cubic yards of solid waste per year are disposed at the USA Waste facility in Hillsboro, Oregon. Approximately 1,000 to 4,999 gallons of used hydraulic and motor oil is removed from the site on a yearly basis for recycling by Spencer Environmental of Oregon City, Oregon. Other degreaser (0 to 4 gallons) and organic lubricating material (0 to 4 gallons) is also periodically recycled by Spencer Environmental. Safety-Kleen transports and recycles the petroleum naphtha solvent (53 gallons in 1998) from CFMW. The solvent is taken to their Clackamas, Oregon facility.

Spills or Releases During Operation or Ownership

Minor releases of lubricating, hydraulic, or motor oil have occurred near machinery. The release is typically a very small volume (i.e., less than one gallon), on concrete, and is always cleaned up immediately. These incidents have not caused impacts to soil or ground water.

In May1987, a transformer capacitor overheated and leaked a small volume (estimated to be 2 to 3 ounces) of PCB containing oil. The oil impacted the transformer, which was the surface below the capacitor which completely contained the spill. The volume released was reported to be less than 10 pounds. After attempting to have the transformer unit cleaned for reuse, all the PCB impacted material and equipment, including the transformer which caught the spill, was transported off site and disposed of by General Electric. Disposal records are provided in Attachment 4.

Information Regarding Chemical Substances Used, Stored, or Released at the Site by Prior Owners or Operators

There is no information regarding chemical substances used, stored, or released at the site prior to 1971. As mentioned above, Columbia Forge and Machine Works, Inc. has operated at this site since approximately 1971.

Existing or Expired Regulatory Permits

The facility historically had a General NPDES Storm water discharge permit No.1200-L issued by the Oregon Department of Environmental Quality. The permit was issued on October 7, 1992 and was terminated effective October 20, 1992. DEQ and BES have determined a storm water permit for this facility is not required.

The facility is also listed as a conditionally exempt hazardous waste generator because they use a small volume of petroleum naphtha solvent. The facility generator number is ORD009022104. This material is transported and recycled by Safety-Kleen.

Sampling/Cleanup/Investigation Information

Environmental Investigations/Sampling/Monitoring Performed at Site

Previous environmental investigations on the site have included soil sampling and analysis, related to the removal of two underground storage tanks. Additional samples were collected in conjunction with the transformer oil release. Laboratory reports and summary memoranda, where they exist, are attached (Attachments 5,6 and 7). No other known, documented environmental investigations have been performed on the site.

Underground Storage Tank Sampling

CFMW has collected and analyzed 3 soil samples (SAMPLE #1, #2-Yard, and #3 Weld Shop) from the beneath the underground storage tanks after they were removed. Additional samples were taken of the tank product for waste disposal characterization. The laboratory reports for the soil sampling events are provided in Attachment 5.

Transformer Wipe Sampling

One sample was collected by Reidel Environmental Services on May 28, 1987, of the released transformer oil. The oil was found to contain PCBs. Additional samples (wipe and swab samples) were collected by Crosby & Overton in their attempt to

clean the impacted transformer. The laboratory reports and available sampling correspondence for the sampling events is presented in Attachment 6.

BES DEQ Storm Water Investigation

On July 9, 1997, the City of Portland Bureau of Environmental Services (BES) and the DEQ performed a storm water inspection at the CFMW facility to determine whether CWMW needed a storm water permit. After the inspection was completed it was determined that storm water runoff did not directly discharge to a waterway and implementation of best management practices would be adequate to mitigate storm water runoff. A sample collected by the BES, prior to the inspection (June 17, 1997) is provided in Attachment 7.

Summary

We hope the above information is useful to you. While we have provided all data and information that seems directly responsive to your questions, please understand that we have not attempted to provide every piece of information that is arguably called for. For example, we have not provided miscellaneous analytical data found in the files that we are unable to associate to any known sampling event or that we are unable to connect to the subject property. We have also not looked for, or provided, documents in the possession of our legal counsel that would be protected by attorney-client or work product privileges. We have also not contacted previous owners to obtain historical site information. Once again we hope this submittal is useful to you.

Sincerely,

Columbia Forge & Machine Works, Inc.

Doug McMullin, M.E.
General Manager

Attachment 1 - Site Plan Figure
Attachment 2 - Underground Storage Tank Notification Form
Attachment 3 - State Fire Marshall Surveys and Other Documentation
Attachment 4 - Transformer Spill Memorandum and Disposal Documentation
Attachment 5 - UST Laboratory Analysis Reports
Attachment 6 - Transformer Sampling and Analysis Reports
Attachment 7 – BES Storm Water Sample

Attachment 1
Site Plan Figure

COLUMBIA FORGE
ND MACHINE WORKS

124 N. CRAWFORD ST.
ORTLAND, OR 97203

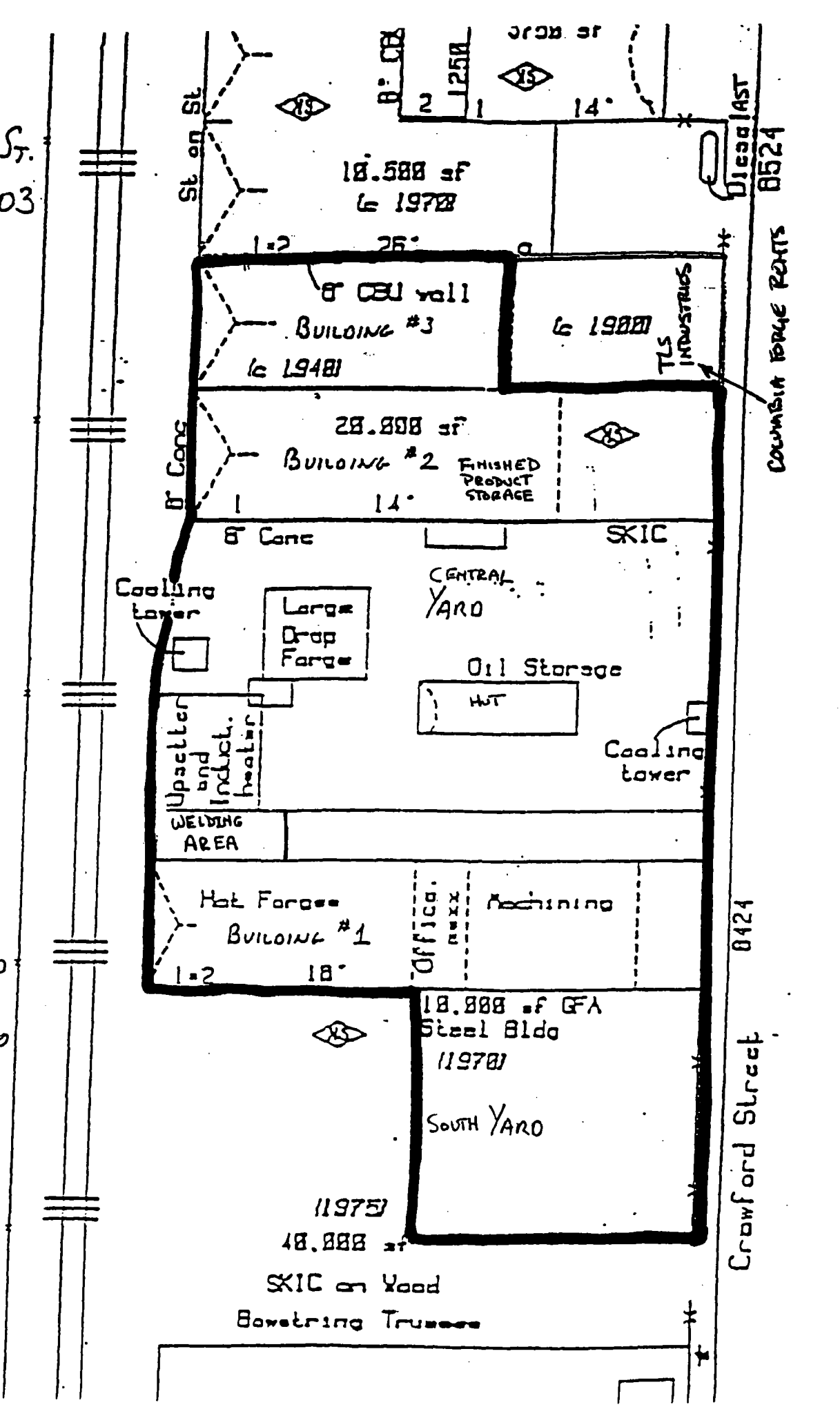
HE SITE CONSISTS
THREE BUILDINGS
) TWO YARDS.

)RKING IS ON CITY
REETS.

O CHANGES OR
ITIONS ARE
NNED.

COLUMBIA FORGE
TAL Sf = 57,000
ILDING Sf = 27,000

23 Oct 91



Attachment 2
Underground Storage Tank Notification Form

Underground Storage Tank Program
P.O. Box 1760
Portland, Oregon 97207

STATE USE ONLY
I.D. Number
Date Received

GENERAL INFORMATION

stification is required by Federal law for all underground tanks that have been e regulated substances since January 1, 1974, that are in the ground as 1986, or that are brought into use after May 8, 1986. The information ested is required by Section 9002 of the Resource Conservation and Recovery (RCRA), as amended.

e primary purpose of this notification program is to locate and evaluate undiscarded tanks that store or have stored petroleum or hazardous substances. It is pected that the information you provide will be based on reasonably available ds, or, in the absence of such records, your knowledge, belief, or recollection.

o Must Notify! Section 9002 of RCRA, as amended, requires that, unless pted, owners of underground tanks that store regulated substances must notify nated State or local agencies of the existence of their tanks. Owner means—
In the case of an underground storage tank in use on November 8, 1984, or ght into use after that date, any person who owns an underground storage tank for the storage, use, or dispensing of regulated substances; and
In the case of any underground storage tank in use before November 8, 1984, o longer in use on that date, any person who owned such tank immediately e the discontinuation of its use.

at Tanks Are Included? Underground storage tank is defined as any one or com- on of tanks that (1) is used to contain an accumulation of "regulated nces," and (2) whose volume (including connected underground piping) is r more beneath the ground. Some examples are underground tanks storing: oline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or mts.

at Tanks Are Excluded? Tanks removed from the ground are not subject to tion. Other tanks excluded from notification are:
rm or residential tanks of 1,100 gallons or less capacity used for storing motor el for noncommercial purposes;
nks used for storing heating oil for consumptive use on the premises where ored;
3. septic tanks;
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

ase type or print in ink all items except "signature" in Section V. This form must be completed ach location containing underground storage tanks. If more than 5 tanks are owned at this location, copy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached: 0

I. OWNERSHIP OF TANK(S)

e (Corporation, Individual, Public Agency, or Other Entity)
COLUMBIA FORGE + MACH. WORKS
Address
3424 N. CRAWFORD
y
MULTNOMAH
State: OR. Zip Code: 97203
ode Phone Number
503) 286-3621
Owner (Mark all that apply ☒)
urrent ☐ State or Local Gov't. ☐ Federal Gov't. ☐ (GSA facility I.D. no.) ☒ Private or Corporate ☐ Ownership uncertain
ormer
_____)

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here ☒)
Facility Name or Company Site Identifier, as applicable
Street Address or State Road, as applicable
County
City (nearest) State Zip Code
Indicate number of tanks at this location 2
Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

(If same as Section I, mark box here ☐)
HENRY STROMQUIST — Job Title: GENERAL MANAGER — Area Code: (503) — Phone Number: 286-3621

IV. TYPE OF NOTIFICATION

☐ Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

y under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached ents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the ted information is true, accurate, and complete.

cial title of owner or owner's authorized representative	Signature	Date Signed
RY STROMQUIST — GEN. MGR	Henry Stromquist	1/19/87

CONTINUE ON REVERSE SIDE

530-1(11-85)

Please complete the voluntary UST Survey on Page 4.

11575

r Name (from Section I) COLUMBIA FORGE Location (from Section II) PORTLAND, OR. Page No. 2 of 3 Pages

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Identification No. (e.g., ABC-123), or rarily Assigned Sequential No. (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.
atus of Tank (Mark all that apply ☒)					
Currently in Use	☐	☐	☐	☐	☐
Temporarily Out of Use	☐	☐	☐	☐	☐
Permanently Out of Use	☒	☒	☐	☐	☐
Brought into Use after 5/8/86	☐	☐	☐	☐	☐
timated Age (Years)	19	35			
timated Total Capacity (Gallons)	1000	1000			
aterial of Construction (Mark one ☒)					
Steel	☒	☒	☐	☐	☐
Concrete	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify					
ternal Protection (Mark all that apply ☒)					
Cathodic Protection	☐	☐	☐	☐	☐
Interior Lining (e.g., epoxy resins)	☐	☐	☐	☐	☐
None	☒	☒	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify					
ternal Protection (Mark all that apply ☒)					
Cathodic Protection	☐	☐	☐	☐	☐
Painted (e.g., asphaltic)	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic Coated	☐	☐	☐	☐	☐
None	☒	☒	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify					
ing (Mark all that apply ☒)					
Bare Steel	☒	☒	☐	☐	☐
Galvanized Steel	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Cathodically Protected	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify					
stance Currently or Last Stored reatest Quantity by Volume (Mark all that apply ☒) a. Empty	☐	☒	☐	☐	☐
b. Petroleum					
Diesel	☐	☐	☐	☐	☐
Kerosene	☐	☐	☐	☐	☐
Gasoline (including alcohol blends)	☐	☒	☐	☐	☐
Used Oil	☒	☐	☐	☐	☐
Other, Please Specify	BUNKER OIL				
ase c. Hazardous Substance	☐	☐	☐	☐	☐
icate Name of Principal CERCLA Substance					
or Chemical Abstract Service (CAS) No.					
k box ☒ if tank stores a mixture of substances	☐	☐	☐	☐	☐
d. Unknown	☐	☐	☐	☐	☐
litional Information (for tanks nanently taken out of service) a. Estimated date last used (mo/yr)	1975	1960	1	1	1
mate quantity of substance remaining (gal.)	100	EMPTY			
c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)	☐	☒	☐	☐	☐

530-1 (11-85) Reverse

THANK YOU FOR YOUR ASSISTANCE

B 11576

Owner Name (from Section I EPA Form) COLUMBIA FORGE Location (from Section II EPA form) PORTLAND OR. Page 3 of 3 Pages

OREGON UNDERGROUND STORAGE TANK (UST) SURVEY

The underground storage tank program will soon include performance standards for new tanks and regulations for leak detection/ prevention and corrective actions which will affect owners and operators of underground storage tanks. In preparation for these new requirements, the Department has prepared a state-wide survey. The Department requests that owners of underground storage tanks complete the survey questions.

Your response to these questions will assist the Department in developing a cost-effective and responsive state-wide regulatory program. In addition, owners of underground storage tanks may find the survey useful in the management of such tanks.

INSTRUCTIONS

Please type or print in ink all items. Please complete one survey form for each location containing underground storage tanks. Tank I.D. should correspond to Tank I.D. on EPA form 7530-1 for the respective facility location. If more than five tanks are owned at this location, photocopy this survey or request additional forms from DEQ, and staple continuation sheets to this survey.

Tank Identification No.	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.
1. Status of Tank *(Check One)* — If temporarily out of use, Estimated time out of use:					
1 month - 6 months	☐	☐	☐	☐	☐
6 months - 1 year	☐	☐	☐	☐	☐
1 year - 5 years	☐	☐	☐	☐	☐
5 years or more	☒	☒	☐	☐	☐
Estimated date to be brought back into use (mo/yr)	/	/	/	/	/
2. Was tank new at time of installation? (Y/N)	UNKNOWN	UNKNOWN			
3. Containment Systems *(check one)* — Single-walled tank	☒	☒	☐	☐	☐
Double-walled tank	☐	☐	☐	☐	☐
Pit-lining system	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
4. Leak Detection System *(check all that apply)* — Visual	☐	☐	☐	☐	☐
Stock inventory	☐	☐	☐	☐	☐
Tile drain	☐	☐	☐	☐	☐
Vapor wells	☐	☐	☐	☐	☐
Sensor instrument (specify type):					
In-ground detector	☐	☐	☐	☐	☐
Within walls of double-walled tank	☐	☐	☐	☐	☐
Ground water monitoring wells	☐	☐	☐	☐	☐
Continuous in piping	☐	☐	☐	☐	☐
Pressure test	☐	☐	☐	☐	☐
Internal inspection	☐	☐	☐	☐	☐
Other, specify					
None	☒	☒	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
5. Overfill Protection (Yes/No)	NO	NO			
6. Location of Piping *(check all that apply)* — No parts in contact with soil	☐	☐	☐	☐	☐
Parts contacting the soil which are:					
Unprotected metal	☒	☒	☐	☐	☐
Made of corrosion resistant materials	☐	☐	☐	☐	☐
Corrosion-resisted coated	☐	☐	☐	☐	☐
Cathodically protected	☐	☐	☐	☐	☐
Double-walled	☐	☐	☐	☐	☐
Within a secondary containment	☐	☐	☐	☐	☐
Interior lined	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
7. History of Tank Repairs *(check one except as indicated)* — If tank repaired, indicate date of last repairs (mo/yr)	/	/	/	/	/
None	☒	☒	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
8. History of Pipe Repairs *(check one except as indicated)* — If pipe repaired, indicate date (mo/yr)	/	/	/	/	/
None	☒	☒	☐	☐	☐
Unknown	☐	☐	☐	☐	☐

THANK YOU FOR YOUR ASSISTANCE

R-11577

Attachment 3
Fire Marshall Survey and Other Documentation

Due Date: NOVEMBER 30, 1998 | 1997-1998 | Facility ID Numbe 005730

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DAT.

SECTION A: HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

☐ YES ☑ NO Are there hazardous substances present at this site in reportable quantities?
If yes, complete sections A, B, C, and D. If no, complete sections A, B and C.
A hazardous substance is any substance for which a Material Safety Data Sheet (MSDS) is required. If a previousiy reported substance is no longer present, see instructions for Section A.

☐ YES ☑ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

☐ YES ☑ NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

SECTION B: DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

SIC CODE 1: 3462 DEFINITION: IRON AND STEEL FORGINGS-MFG

SIC CODE 2: DEFINITION:

BUSINESS ACTIVITY:
STEEL FORGING

DUN & BRADSTREET #: 00-902-2104

MANAGER'S NAME: ~~VINCE SCHILE - MGR~~ [DOUG McMULLIN GEN. MGR.]

SEND TO ATTENTION OF: ~~VINCE SCHILE - MGR~~ [DOUG McMULLIN GEN. MGR]

E-MAIL ADDRESS: [dmcmullin@schn.com]

BUSINESS NAME: COLUMBIA FORGE & MACHINE

9. DEPT OR DIV:

SITE ADDRESS:
8424 N CRAWFORD

11. MAILING ADDRESS:
8424 N CRAWFORD

CITY: PORTLAND

CITY: PORTLAND

COUNTY: MULTNOMAH

COUNTY: MULTNOMAH

STATE: OR ZIP CODE: 97203

STATE: OR ZIP CODE: 97203

BUSINESS PHONE: 503-286-3621

13. NUMBER OF EMPLOYEES AT THIS SITE: ~~18~~ 17 [17]

EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: ~~VINCE SCHILE~~ DOUG McMULLIN

15. EMERGENCY CONTACT PHONES: (503) DAY 503-286-3621 NIGHT ~~360-256-0335~~ (503) 289-5011

RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

☐ YES ☑ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: _____

☐ YES ☑ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.

☐ YES ☑ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?

☐ YES ☑ NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C: PERSON COMPLETING FORM
This person will be contacted to answer any questions needing clarification.

DOUG McMULLIN
~~VINCE SCHILE~~ - MGR
COLUMBIA FORGE & MACHINE
8424 N CRAWFORD
PORTLAND OR 97203

PRINT NAME: DOUG McMULLIN

SIGNATURE (REQUIRED): Doug McMullin

DATE SURVEY COMPLETED: 11/30/98

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

:HEMICAL

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe: 005730

SECTION D: SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

)N NAME/TRADE NAME: ARGON 75%/CARBON DIOXIDE 25%
DOUS INGREDIENT
HEST CONCENTRATION: ARGON

HS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE MIXTURE		3	3	10	20			365	L 2 4	2.2	0007440-37-1
NEW NO LONGER REPORTABLE					11	10	00				

AGE LOCATIONS AT SITE: WELDING AREA AT REAR OF MAIN
G

UN/NA NO. (IF KNOWN): 1956

)N NAME/TRADE NAME: ARGON 98%/OXYGEN 2%
)OUS INGREDIENT
IEST CONCENTRATION: ARGON

S	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE MIXTURE		3	3	10	20			365	L 2 4	2.2	0007440-37-1
NEW NO LONGER REPORTABLE				20		21	00				

GE LOCATIONS AT SITE: WELDING AREA AT REAR OF MAIN
G

UN/NA NO. (IF KNOWN): 1956

N NAME/TRADE NAME: DEGREASER 853
)OUS INGREDIENT
IEST CONCENTRATION: 2-BUTOXYETHANOL

S	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE MIXTURE		2	2	02	02			365	D 1 4	4.5 6.3	0000111-76-2
NEW NO LONGER REPORTABLE						00	00				

GE LOCATIONS AT SITE: OIL STORAGE AREA IN CENTER O
IN YARD

UN/NA NO. (IF KNOWN): 0000

N NAME/TRADE NAME: HYDRAULIC OIL
)OUS INGREDIENT
EST CONCENTRATION: HIGHLY REFINED BASE LUBRICATING OILS

S	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE MIXTURE		2	2	10	10			365	D 1 4	4.5	0064742-65-0
NEW NO LONGER REPORTABLE						20	20				

GE LOCATIONS AT SITE: VARIOUS TYPES IN OIL STORAGE
A IN CENTER OF MAIN YARD

UN/NA NO. (IF KNOWN): 1270

CHEMICAL

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 005730

SECTION D: SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

ON NAME/TRADE NAME: MOTOR OIL
S INGREDIENT
T CONCENTRATION: HIGHLY REFINED BASE OILS

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE / MIXTURE		2	2	04	04			365	D 1 4	4.5	0064742-54-7
NEW / NO LONGER REPORTABLE					10	11	11				

AGE LOCATIONS AT SITE: OIL STORAGE AREA IN CENTER O
IN YARD

UN/NA NO. (IF KNOWN): 1270

ON NAME/TRADE NAME: ORGANIC COMPOUND 135
DOUS INGREDIENT
EST CONCENTRATION: NONE AS PER 29CFR 1910.1200

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE / MIXTURE		2	2	03	03	04	00	365	D 1 4	9.0	
NEW / NO LONGER REPORTABLE											

AGE LOCATIONS AT SITE: OIL STORAGE AREA IN CENTER O
IN YARD

UN/NA NO. (IF KNOWN): 0000

N NAME/TRADE NAME: OXYGEN
OUS INGREDIENT
EST CONCENTRATION: OXYGEN

S	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
PURE / MIXTURE		3	3	20	20	21	00	365	L 2 4	2.2 5.1	0007782-44-7
NEW / NO LONGER REPORTABLE											

GE LOCATIONS AT SITE: WELDING AREA AT REAR OF MAIN
3

UN/NA NO. (IF KNOWN): 1072

N NAME/TRADE NAME: PROPANE
OUS INGREDIENT
EST CONCENTRATION: PROPANE

	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
URE / IX		3	2	10	10	20	00	365	A 2 4	2.1 6.3	0000074-98-6
EW / O LONGER EPORTABLE											

E LOCATIONS AT SITE: TANK LOCATED BY FENCE IN CEN
F MAIN YARD

UN/NA NO. (IF KNOWN): 1075

CHEMICAL

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 005730

SECTION D: SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

ION NAME/TRADE NAME: PROPANE
RDOUS INGREDIENT
GHEST CONCENTRATION: PROPANE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE		3	2	03	03	[illegible]	00	365	L 2 4	2.1 6.3	0000074-98-6
1 - NEW 2 - NO LONGER REPORTABLE					04						UN/NA NO. (IF KNOWN)

RAGE LOCATIONS AT SITE: WELDING AREA AT REAR OF MAIN
DG

1075

ON NAME/TRADE NAME: THINNER 350B
DOUS INGREDIENT
HEST CONCENTRATION: PETROLEUM NAPHTHA

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE		2	2	04	04	04	04	365	D 1 4	3.3	0064742-47-8
1 - NEW 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

AGE LOCATIONS AT SITE: OIL STORAGE AREA IN CENTER O
AIN YARD

1255

ON NAME/TRADE NAME:
DOUS INGREDIENT
HEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE											
1 - NEW 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

AGE LOCATIONS AT SITE:

ON NAME/TRADE NAME:
DOUS INGREDIENT
HEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE											
1 - NEW 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

AGE LOCATIONS AT SITE:

CHEMICAL

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numb
005730

SECTION D:

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

ION NAME/TRADE NAME:
US INGREDIENT
ST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN

RAGE LOCATIONS AT SITE

ION NAME/TRADE NAME:
RDOUS INGREDIENT
HEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN

RAGE LOCATIONS AT SITE

ON NAME/TRADE NAME:
DOUS INGREDIENT
HEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN

AGE LOCATIONS AT SITE

ON NAME/TRADE NAME:
DOUS INGREDIENT
HEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
- PURE -	- NEW - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN

AGE LOCATIONS AT SITE

CITY OF

PORTLAND, OREGON

FIRE PREVENTION DIVISION

Track #	Account #
151	E08-074-001

CITY OF PORTLAND
Hazardous Substance Possession Fee

Please Remit: $*450.00

Must be received by: 01/15/90

COLUMBIA FORGE & MACHINE
8424 N CRAWFORD
PORTLAND, OR 97203

Late payments will be assessed an additional 1% per month after the due date.

Check Payable to: CITY TREASURER
Remit to: **Portland Fire Bureau**
55 S.W. Ash Street
Portland, Oregon 97204

↓ return upper portion with remittance ------->

State and Federal laws have been enacted to provide state and local emergency services and the community with information concerning hazardous substance locations and hazards. The legislation also provides that the local community participate and plan for responding to hazardous substance incidents.

Hazardous substance fees collected by the City of Portland will be used to fund a local data storage and retrieval system for hazardous chemical information provided by the state. This system will provide emergency responders with timely on-site information which will enable them to effectively manage incidents while minimizing the danger to emergency response personnel and the public.

This fee is not a permit fee and does not indicate that the occupancy and use of a building is in compliance with Fire and Building Regulations. The fees collected for this purpose are not a duplication of fees charged by the Department of Environmental Quality or the State Fire Marshal's Office.

The annual hazardous substance fee will be used to administer a local information and protection program in accordance with Title 31 of the City Code, Fire Regulations, sections 31.80.010-31.80.070, "Hazardous Substances Emergency Planning." The fees will provide the Portland Bureau of Fire, Rescue & Emergency Services with a computerized information system that will be used by ALL emergency responders. This system will also ensure that emergency personnel have immediate access to information concerning the type of material, location, degree of hazard, available emergency systems and associated information so that they may effectively and safely deal with hazardous substance emergencies.

You are entitled to appeal specific requirements of these regulations by written notification as set forth in section 31.10.150 of the City Code, Title 31.

Appeals should be directed to: Hazardous Substance Section
55 S.W. Ash Street
Portland, Oregon 97204

RECEIVED COLUMBIA FORGE & MACHINE NOV 89

If you have any questions about this bill, please call the Hazardous Substance Section at 760-1081.

B 11289 Track: 151 Account: E08-074-001

Billing: 11/15/89 Due: 01/15/90 Amount: $*450.00

HAZARDOUS INVENTORY DATA

ICAL NAME:	CHEMICAL HAZARD CLASS:	STATE QTY. RANGE:	QUANTITY RANGE:	FEE:
** 151 005730, COLUMBIA FORGE & MACHINE				
8424 N CRAWFORD				
DEGREASER 853	UNKNOWN, PROBABLY CLASS C	0-99	0-199	0.00
ORGANIC COMPOUND 135	UNKNOWN, PROBABLY CLASS C	100-999	200-999	50.00
PROPANE	2.1, FLAMMABLE GAS	100-999	200-999	50.00
PROPYLENE	2.1, FLAMMABLE GAS	0-99	0-199	0.00
BLUE SHIELD 4	2.2, NONFLAMMABLE GAS	1,000-9,999	1,000-9,999	100.00
BLUE SHIELD 8	2.2, NONFLAMMABLE GAS	1,000-9,999	1,000-9,999	100.00
THINNER 350B	3.2, FLAMM. LIQ. FP 0-73 F	0-99	0-199	0.00
HYDRAULIC OIL	4.2, COMBUSTIBLE MATERIAL	100-999	200-999	50.00
MOTOR OIL	4.2, COMBUSTIBLE MATERIAL	0-99	0-199	0.00
GAS AIR FUEL	5.1, OXIDIZERS	0-99	0-199	0.00
OXYGEN	5.1, OXIDIZERS	1,000-9,999	1,000-9,999	100.00
** Subtotal **				450.00
*** Total ***				450.00

Chapter 31.40
(and a new Table 40-B is substituted to read:)

CHAPTER 31.40

TABLE 40 - B

(A) RADIOACTIVE SUBSTANCES OR RADIOACTIVE WASTES

(S) SOLIDS (in pounds)	(L) LIQUIDS (in gallons)	(G) GASES COMPRESSED (cu. ft. at STP)	FEE
>0 - 99	>0 - 99	>0 - 99	$ 50
100 - 999	100 - 999	100 - 999	100
1,000 - 9,999	1,000 - 9,999	1,000 - 9,999	200
10,000 - 99,999	10,000 - 99,999	10,000 - 99,999	600
100,000 - 999,999	100,000 - 999,999	100,000 - 999,999	1,000
1,000,000 - up	1,000,000 - up	1,000,000 - up	1,400

(B) CLASS A & B POISONS; IRRITATING MATERIALS; CLASS A, B & C EXPLOSIVES,BLASTING AGENTS AND HIGHLY TOXIC SUBSTANCES

(S) SOLIDS (in pounds)	(L) LIQUIDS (in gallons)	(G) GASES COMPRESSED (cu. ft. at STP)	FEE
>0 - 9	>0 - 4	>0 - 19	$ 25
10 - 99	5 - 99	20 - 99	50
100 - 999	100 - 999	100 - 999	100
1,000 - 9,999	1,000 - 9,999	1,000 - 9,999	200
10,000 - 99,999	10,000 - 99,999	10,000 - 99,999	600
100,000 - 999,999	100,000 - 999,999	100,000 - 999,999	1,000
1,000,000 - up	1,000,000 - up	1,000,000 - up	1,400

* (C) ALL OTHER REGULATED HAZARDOUS SUBSTANCES, MATERIALS AND WASTES

(S) SOLIDS (in pounds)	(L) LIQUIDS (in gallons)	(G) GASES COMPRESSED (cu. ft. at STP)	FEE
0 - 499	0 - 54	0 - 199	$ 0
500 - 999	55 - 999	200 - 999	50
1,000 -9,999	1,000 - 9,999	1,000 - 9,999	100
10,000 - 99,999	10,000 - 99,999	10,000 - 99,999	200
100,000 - 999,999	100,000 - 999,999	100,000 - 999,999	600
1,000,000 - up	1,000,000 - up	1,000,000 - up	1,000

* Permit fees for ordinary flammable and combustible liquids such as motor fuels contained in approved underground storage tanks are $25 per tank per year. Heating fuels stored in approved underground tanks are exempt from this fee schedule.

V. LIST OF HAZARDOUS CHEMICALS (con't.)

HAZARDOUS CHEMICALS	LOCATION
G. Miscellaneous	
Quick Set Adhesive 404	Maint. Area
Never-seez Anti-Seize Compound	Maint. Area
Floor Dry	Warehouse
Loctite Adhesive/Sealant 271	Maint. Area
Crack Check Cleaner C-F (Spray)	Supply Closet
Crack Check Developer D-NF (Spray)	Supply Closet
Crack Check Penetrant P-HF (Spray	Supply Closet
Thread Sealant w/Teflon 14H,14D,14F	Maint. Area
Propane	Center Yard
Fel-Pro N-500 Antiseize	Maint. Area
Devon Plastic Steel Putty	Maint. Area
50 Hardhat Aeorsol Spray	Supply Closet

V. LIST OF HAZARDOUS CHEMICALS (con't.)

HAZARDOUS CHEMICALS	LOCATION
F. Furnace Construction Materials	
Marinite M Calcium Silicate Board	Warehouse
Lytherm Ceremic Fiber Papers	Warehouse
Mizzou Castable Plus	Warehouse
A.P. Green: Refractory Bricks or Slopes	Warehouse
A.P. Green: Insulating Fire Brick: G 3	Warehouse
A.P. Green: High Duty Fireclay Brick: Idaho	Warehouse
Cerachrome Blanket Refractory	Warehouse
K-FAC 19 Board	Warehouse
Sairset Mortar	Warehouse
Durablanket 2600	Warehouse

V. LIST OF HAZARDOUS CHEMICALS (con't.)

HAZARDOUS CHEMICALS	LOCATION
E. Paints	
Sparvar Spray Paint - Metallic	
Item Nos. S-121,S-122,S-123	Supply Closet
Sparvar Fluoresecent Spray Paint	
Item Nos. S-311,S-312	Supply Closet
Sparvar Spray Paint - Flat	
Item No. S-111	Supply Closet
Sparvar Spray Paint	
Item Nos. S-101,S-103,S-117,S-118	Supply Closet
Sparvar Spray Paint	
Covers 25 Items	Supply Closet
Rodda Alkyd Enamel 817	Warehouse
Rodda Alkyd Enamel 812Spray Paint	Supply Closet
Rodda Alkyd Primer Red Oxide	Supply Closet

V. LIST OF HAZARDOUS CHEMICALS (con't.)

HAZARDOUS CHEMICALS	LOCATION
D. Welding and Soldering Supplies	
Oxygen	Welding Area
Liquid Air Fuel Gas	Welding Area
Blue Shield Nos.6,7 or 8 gas mixture	Welding Area
Blue Shield Nos. 4 or 5 gas mixture	Welding Area
Welco 1620 Auto Spatter Compound	Welding Area
Fleetweld 35 Welding rod	Welding Area
UTP 653 Stainless welding rod	Welding Area
UTP 65 312 Stainless Welding rod	Welding Area
Jet-LH78 Welding Rod (E7018)	Welding Area
Stainless Steel Welding Electrodes	Welding Area
Stainless Steel Welding Wire	Welding Area
WeldMold Stick Electrode	Welding Area
Silvaloy 45 Silver Solder	Welding Area
Ultra Flux	Welding Area
Braze Welding Wire & Rod	Welding Area
E7024 Welding Rod	Welding Area
E6013 Welding Rod	Welding Area
Tool Steel Flux-Cored Wire	Welding Area
Dual Shield T-1 and T-2 Flux-Cored Welding Rods	Welding Area
Mild and Low Alloy Steel Welding Wire	Welding Area
Fuel-Gas-Propylene	Welding Area

V. LIST OF HAZARDOUS CHEMICALS (con't.)

HAZARDOUS CHEMICALS	LOCATION
C. Solvents and Thinners	
Chevron Thinner 350 B	Oil Storage
Rodda Thinner: Synthetic Reducer	Warehouse==
853 Degreaser	Oil Storage

V. LIST OF HAZARDOUS CHEMICALS (con't.)

HAZARDOUS CHEMICALS	LOCATION
B. Oils and Lubricants	
Unocal Unax AW 68	Oil Storage
Unocal Unax AW 46	Oil Storage
Unocal Turbine Oil 68	Oil Storage
Unocal Unoba EP Grease 2	Oil Storage
Unocal Marok 68 Oil	Oil Storage
Cimperial 1011 Coolant	Oil Storage
Cimclean 30 Coolant cleaner	Oil Storage
Soluble Organic Compound #135-	Oil Storage
die lube	Oil Storage
Unocal Soluble Oil 10 coolant	Oil Storage
Unocal Heavy Duty Motor Oil 30	Oil Storage
Chevron Insulating Oil	Oil Storage
Lubrizol 5525	Oil Storage
Unocal Hydraulic Oil AW 68	Oil Storage
Unocal Koolkut II HD	Oil Storage
Unocal Marok 220	Oil Storage
Anderal 500 Oil	Oil Storage
29 Moly Cart	Oil Storage
81 BP-2 (formerly 81 EP LIght)	Oil Storage
Union Turbine Oil 100, 150	Oil Storage

Attachment 4
Transformer Spill Documentation

NOTE TO PCB SPILL FILE:

5/28/87 - An overheated capacitor located in an enclosed TOCCO cabinet ruptured and spilled a small amount (2-3oz) of PCB. The spill was totally contained in the cabinet and was isolated to the surface of a transformer located under the capacitor. The unit was taken out of service and labeled with warning signs.

6/3/87 - Crosby and Overton, an environmental clean-up company was contracted to clean-up the spill and remove the faulty capacitor in accordance with Oregon and EPA rules

6/9/87 - Crosby and Overton removed the capacitor, cleaned up the spill and conducted wipe tests. The capacitor was placed in a barrel and temporarily stored on Columbia Forge premises.

Crosby and Overton could not achieve a clean-up to 10 ug / 100 cm^2 consequently the unit was kept out of service, with warning signs until a resolution could be found.

The ultimate solution included removal of the transformer (thus the removal of the spill surface) by Crosby and Overton — see other documentation for dates.

Harry Stamper

B 11442

OMER COLUMBIA FORGE & MACHINE WORKS, INC REFER TO: | JOB NO: 21308

NUMBER 4119 DATE: 02/19/88

EIVED 02 / 22 /88 VIA DELIVERED

EQUIPMENT DESC.

IIP

):

MANUF.

MODEL

SERIAL NO.

L

:

~~COLUMBIA FORGE & MACHINE WORKS, INC~~
8424 N. CRAWFORD STREET
PORTLAND, OR 97203

ATTENTION: MR. JOHN SHORE

IF YOU DESIRE FURTHER
INFORMATION, PLEASE CONTACT

Annette E Noe

ANNETTE E NOE

TELEPHONE: (503) 221-5097

DATE MAILED: 02 /22 / 88

PER QUOTATION NUMER 101-88-55

DISPOSAL OF CAPACITOR IN DRUM

CLEANING AND TESTING OF TRANSFORMER

WE ACKNOWLEDGE RECEIPT OF YOUR ORDER AND/OR MATERIAL AS LISTED ABOVE,
SUBJECT TO OUR STANDARD CONDITIONS AS STATED ON THE REVERSE SIDE.

TERMS: NET DUE UPON RECEIPT OF INVOICE

.440

ACKNOWLEDGMENT - CUSTOMER COPY

NO. FN-1068 6/85 REV.

GENERAL ELECTRIC
PORTLAND DECOMMISSIONING/STORAGE FACILITY
2535 NW 28TH AVENUE PORTLAND, OREGON 97210
(503) 221-5098

February 23, 1988

Mr. John L. Shore 21308
COLUMBIA FORGE
8424 N. Crawford St.
Portland, OR 97203

SUBJECT: HAZARDOUS WASTE MANIFEST NO. 21308
GENERAL ELECTRIC TRACKING NO. 21308

Dear Mr. Shore:

Attached, please find the original of the above captioned Hazardous Waste Manifest signed by our representative upon receipt of your material at our Decommissioning Facility in Portland. You should keep this record to establish the disposition of this material.

We will provide you with copies of the Manifest when this material is sent out for final disposition. These copies will be signed by the ultimate disposer and our cover letter will reference the above captioned G.E. TRACKING NUMBER so that you then will have a record of the material from the time it left your premises until it is properly disposed. Please note the corrections made in the DISCREPANCY SECTION 19 on the manifest.

Should you have any questions, please do not hesitate to call me at (503) 221-5098. We appreciate the opportunity of providing this service and look forward to additional work in the future.

Sincerely,

Shirlee Porter

Shirlee K. Porter
Facility Supervisor
Portland Oregon

Attachment

3 11438

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 93-0463820 | Manifest Document No. 21308 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Columbia Forge
8424 N Crawford st. Portland, OR 97203

4. Generator's Phone (203) 286-3621

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: General Electric Company
6. US EPA ID Number: ORD980833537

C. State Transporter's ID

D. Transporter's Phone 503-221-5098

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
General Electric Company
2535 NW 28th Ave.
Portland, OR 97210

10. US EPA ID Number: ORD980833537

G. State Facility's ID

H. Facility's Phone (503) 221-5098

HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	Hazardous substance Liquid, NOS ORM-E, NA9188, RQ (Polychlorinated Biphenyls)	001	DM	0250 *	P	X002
X	Hazardous substance Solid, NOS ORM-E NA9188, RQ (Polychlorinated Biphenyls)	001	CM	Ø	P	X002

J. Additional Descriptions for Materials Listed Above
drum ~~Capacitor~~ leaking Capacitors dsdate 7-87
1 Transformer (empty)
* Estimated weight

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Dike and Contain Spills. Avoid Contact with Skin
Alternated TSDF, Return to Generator
In Case of Spill Call 1-800-626-2001 ex 66

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: John L Shore | Signature: John L. Shore | Month Day Year: 1 22 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/~~Typed~~ Name: Scott A Duncan | Signature: [signature] | Month Day Year: 02 22 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space
XFMER AND CAPACITOR WERE RECIEVED IN (1) DRUM

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: GARY E. SCHMALZ | Signature: Gary E Schm[illegible] | Month Day Year: 02 22 88

ORIGINAL-RETURN TO GENERATOR

Attachment 5
Underground Storage Tank Lab Reports

COFFEY LABORATORIES, INC.
4914 N.E. 122nd Ave.
Portland, OR 97230
Phone: (503) 254-1794

March 24, 1987
Log #A870319-K
PO#: 2864

Columbia Forge & Machine
8424 N. Crawford St.
Portland, Oregon 97203

Attention: John Shore

Analysis Requested: Total Hydrocarbons

Sample ID: #3 Weld Shop

Sample Date: March 19, 1987

Sample Received: March 19, 1987

ANALYSIS	RESULTS
Gasoline	< 4 mg/kg
Diesel	< 4 mg/kg

Analysis by capillary GC/FID

The less than "<" symbol means none detected at or above the indicated value and represents the detection limit for the method.

Approved,

Susan M. Brillante

Susan M. Brillante,
Laboratory Director

Sincerely,

Susan M. Coffey

Susan M. Coffey,
President

SMC/gs

Soil analysis held (no r...

This report is for the sole and exclusive use of the above client. Samples are retained a maximum of 15 days from the date of this letter.

B 11592

COFFEY LABORATORIES, INC.
4914 N.E. 122nd Ave.
Portland, OR 97230
Phone: (503) 254-1794

March 19, 1987
Log #A870316-B1-2
PO#: 2842

Columbia Forge & Machine
8424 N. Crawford St.
Portland, Oregon 97203

Attention: John Shore

Sample ID: #1 - Skookum, 3/13/87
#2 - Yard, 3/13/87

Samples Received: March 13, 1987

Samples Collected by: Crosby & Overton

ANALYSIS	SAMPLE #1	SAMPLE #2
Gasoline*	< 1.0	16**
Diesel*	< 1.0	< 1.0
Lead	---	30.0

Results in mg/kg

* Analysis by extraction capillary GC/FID.

** Appears to contain some other high boiling oil and possibly some kerosene.

The less than "<" symbol means none detected at or above the indicated value and represents the detection limit for the method.

Approved by,

Susan M. Brillante

Susan M. Brillante,
Laboratory Director

Sincerely,

Susan M. Coffey

Susan M. Coffey,
President

Soil analysis
Yard sk

SMC/gs

This report is for the sole and exclusive use of the above client. Samples are retained a maximum of 15 days from the date of this letter.

B 11587

COFFEY LABORATORIES, INC.
4914 N.E. 122nd Ave.
Portland, OR 97230
Phone: (503) 254-1794

March 24, 1987
Log #A870316-B1-2

Columbia Forge & Machine
8424 N. Crawford St.
Portland, Oregon 97203

ATTENTION: John Shore

SUBJECT: EP TOXICITY ANALYSIS

METHOD: Federal Register, Vol. 45 No. 98, Monday, May 19, 1980, Rules and Regulations, Appendix II, Page 33127.

FIELD DATA: Sample ID: #2 - Yard
Collected by: Sample collected and delivered by client.

Sample Received: March 16, 1987

ANALYSIS	RESULTS	LIMIT
Lead	< 0.100	5.0

The less than "<" symbol means none detected at or above the indicated value and represents the detection limit for the method.

Results are reported in milligrams per liter (mg/L)

Sincerely,

Susan M. Coffey

Susan M. Coffey,
President

SMC/gs

This report is for the sole and exclusive use of the above client.
Samples are retained a maximum of 15 days from the date of this letter.

B 11588

Attachment 6
Transformer Sampling and Analysis Reports

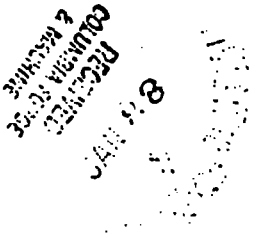
CROSBY & OVERTON, INC.

5420 N. LAGOON
PORTLAND, OREGON 97217
283-1150 or 289-5749

HEAVY DUTY CLEANING

24 HOUR SERVICE

P.O. BOX 1085
20245 76th
SOUTH KENT, WA 98031



January 15, 1988

John Shore
Production Manager
Columbia Forge & Machine Works, Inc.
8424 N. Crawford Street
Portland, OR 97203

RE: Cleaning of PCB contaminated transformer; job summary

Dear John:

On December 14, 1987 Crosby & Overton removed a transformer from a piece of equipment at your facility. The transformer was brought to C & O's shop where it was cleaned; subsequently a wipe sample was taken (N.W.T. report #310693). Because of the past difficulties with cleaning this transformer and the fact that PCB's were still detectable after this thorough cleaning, Randy Rees (of this office) advised the cleaning process be repeated (as discussed with you on or about December 21, 1988). December 21 the transformer was cleaned and sampled a second time (N.W.T. report #310875).

As you can see from the attached lab analysis the transformer appeared dirtier the after the second sampling than it had after the first. Apparently, the location of the first wipe sample was unrepresentative of the overall cleanliness of the transformer.

Cleaning method

The transformer was cleaned twice using the same methodology. First the unit was completely wiped using rags and liberal amount of Power Cleaner 155, a Penetone Corp. product. Power Cleaner is a heavy duty alkaline liquid cleaner designed for cleaning PCB contaminated materials. Then the unit was thoroughly steam cleaned. Then a second washing was completed using kerosene and rags (a common method of cleaning up PCB spills) followed by a second steam cleaning.

B 11443

Currently, the transformer is back at your facility awaiting final disposition. Due to the inability to get it clean, a suitable disposal facility is being sought, at your request.

Sincerely,

CROSBY & OVERTON, INC.

Jeffrey T. Wallace
Hazmat Technical Supervisor

JTW:dk

d30.jw

NORTHWEST TESTING LABORATORIES, INC.

INSTRUCTION INSPECTION
TERIALS INSPECTION
L ANALYSIS
TESTING

5405 N. Lagoon Avenue
P.O. Box 17126
Portland, Oregon 97217-0126
Phone: (503) 289-1778

NON-DESTRUCTIVE TESTING
WELDING CERTIFICATION
SOIL TESTING
ASSAYING

December 22, 1987

Crosby & Overton
5420 N. Lagoon
Portland, Oregon 97217

Attention: Mr. Jeff Wallace

Subject: Analysis on one (1) sample received on 12-14-87, per your P.O. Number 22041

REPORT:

Item: --- Hexane Wipe -120

Reference: Columbia Forge

Analysis:

Total PCB's, micrograms 7.5

Respectfully,
NORTHWEST TESTING LABORATORIES, INC.

Howard B. Holmes,
Assistant Supervisor, Chemistry

Report Number: 310693

1445

NORTHWEST TESTING LABORATORIES, INC.

TRUCTION INSPECTION
RIALS INSPECTION
ICAL ANALYSIS
ICAL TESTING

5405 N. Lagoon Avenue
P.O. Box 17126
Portland, Oregon 97217-0126
Phone: (503) 289-1778

NON-DESTRUCTIVE TESTING
WELDING CERTIFICATION
SOIL TESTING
ASSAYING

December 28, 1987

Crosby & Overton
5420 N. Lagoon
Portland, Oregon 97217

Attention: Mr. Jeff Wallace

Subject: Analysis on three (3) samples received on 12-21-87, per your P.O. Number 22041.

REPORT:

Item: Hexane Swab Sample

Reference: Columbia Forge

Analysis:

	TOTAL PCB's (1260) micrograms
121 (Blank)	2.5
122 (Transformer Bottom)	12
123 (Transformer Side)	270

Respectfully,
NORTHWEST TESTING LABORATORIES, INC.

Fred Thomas, Chemist

Howard B. Holmes
Assistant Supervisor, Chemistry

Report Number: 310875

1446

Water, Food & Research Lab, Inc.

Laboratory: 13015 S.W. Pacific Hwy., Tigard, Oregon 97223
Mailing Address: P.O. Box 19700, Portland, Oregon 97219
Telephone (503) 639-9311

COLUMBIA FORGE & MACHINE WORKS, INC.
ATTN: HENRY STROMQUIST, GEN MGR.
8424 N. CRAWFORD STREET
PORTLAND, OR 97203

SAMPLE NO # 4720

PHONE 286-3621

CC: MANUFACTURING MANAGEMENT, INC.
ATTN: NORMAN WEBB, CORP. ENV. OFFICER
444 PORT AVENUE
ST HELENS, OREGON 97051

241-4796

CHEMICAL CONTAMINANTS LABORATORY REPORT
********** OF JUNE 1987 **********

SAMPLE: SPECIAL SAMPLE -LEAK FROM TRANSFORMER ON EQUIPMENT

SAMPLER: CERTIFIED SAMPLED BY PBS FROM LAB

LOCATION: UNDER TRANSFORMER ON EQUIPMENT, LIQUID POOLED IN PAN.

DATE SAMPLED: 05-28-87 AT 1130 HRS BY PS

DATE RECEIVED: 05-28-87 (PRIORITY ANALYSIS

CONTAMINANT	EPA METHOD	LIMIT	RESULTS	ANAL DATE	ANALYST
**********	******	*PPM*	* ****PPM*****	*********	*******
PCB'S	EPA		990,000 PPM	05-29-87	L.G.
			(99% PURE, AL 1254)		

****

CERTIFIED BY:

PAUL B. STEVENS
Microbiologist/Biochemist
LAB DIRECTOR (EPA/OSHD # 24)

TESTED BY EPA CERTIFIED LAB, COL LAB ID # 14817

RECOMMENDATIONS: SPECIAL CLEANUP PERSONNEL NEEDED TO HANDLE HAZARDOUS WASTE MATERIAL.

< = LESS THAN OR NONE DETECTED
ALL RESULTS IN PPM = MG/L

B 11458

CERTIFIED

Attachment 7
BES Storm Water Sample Results

City of Portland
Water Pollution Control Laboratory
Laboratory Analysis Report

Sample Date/Time 6/17/97 17:10 **System ID** AB12647 **Sample ID** **SRP970116**

Page: 1

Proj./Company Name: BES INVESTIGATIONS
Address/Location: COLUMBIA FORGING
N CRAWFORD

Date Received: 6/17/97
Sample Status: REPORT QUEUE

Proj Subcategory: ENVIRONMENTAL COMPLIANCE
Sample Point Code: 0
IMS File: 3050.004

Sample Type: GRAB
Sample Matrix: SURFWTR
Collected By: RMC

Comments:

Test Parameter	Result	Units	MDL	Method
MET ICP METALS (HIGH-LEVEL)				
CADMIUM	<0.001	mg/L	0.001	EPA 200.7
CHROMIUM	<0.003	mg/L	0.003	EPA 200.7
COPPER	0.010	mg/L	0.004	EPA 200.7
LEAD	<0.020	mg/L	0.020	EPA 200.7
MOLYBDENUM	<0.003	mg/L	0.003	EPA 200.7
NICKEL	<0.004	mg/L	0.004	EPA 200.7
SELENIUM	0.047	mg/L	0.020	EPA 200.7
ZINC	0.065	mg/L	0.001	EPA 200.7

End of Report for Sample ID: SRP970116

6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656

Report Date: 7/1/97